

MEMORANDUM

TO: Vermont Adult Performance Indicator Project Advisory Group

FROM: John Pandiani
Lisa Gauvin

DATE: August 20, 1997

RE: Inpatient Behavioral Health Care Average Daily Census
by Hospital Type for Vermont Adults 1995

This week's data analysis focuses on change in utilization of different types of inpatient facilities between 1990 and 1995.

We look forward to your comments on the quality of the data, the appropriateness of the analysis, and the effectiveness of the presentation of these data, as well as your interpretation of the results.

Inpatient Behavioral Health Care Average Daily Census by Hospital Type for Vermont Adults 1990 - 1995

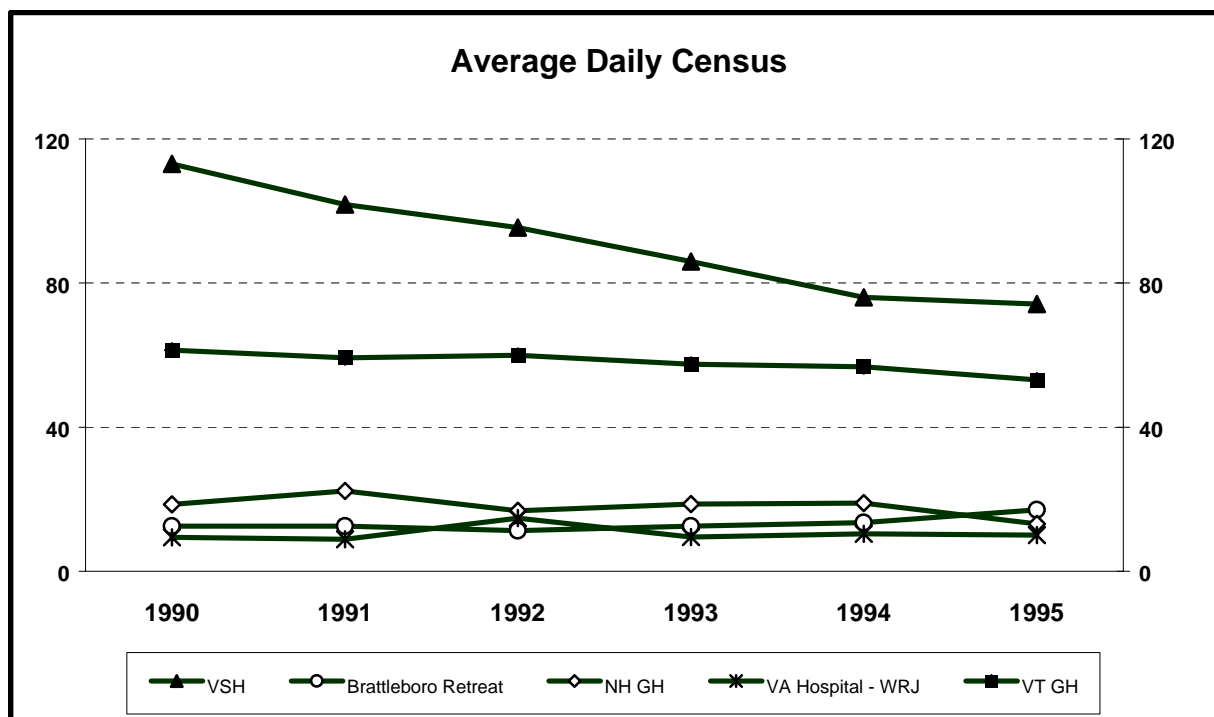
Question: Has the average daily census of Vermont adults receiving inpatient behavioral health care at different types of hospitals changed during 1990 through 1995?

Data: The average daily census for inpatient behavioral health care (mental health or substance abuse) was examined using extracts from the Health Department Hospital Discharge Data Set, the Brattleboro Retreat Client Database, and the Vermont State Hospital's Admission and Discharge Database. Together these data sets include records for all episodes of behavioral hospitalizations for Vermont residents occurring at VSH, Brattleboro Retreat, the veteran's hospital in White River Jct., and in general hospitals in Vermont and New Hampshire.

Analysis: The average daily census (ADC) is the average number of people hospitalized each day for each of the six years. ADC is calculated by dividing the total number of patient days used in each year by the number of days in the year.

Results: The ADC for Vermont adults receiving inpatient behavioral health care at most types of hospitals remained fairly stable during 1990 – 1995. VSH, with the highest ADC for the entire six-year period, however, declined significantly. The ADC at VSH declined by 34%, from 113 in 1990 to 74 in 1995. Vermont general hospitals had the second highest utilization for the entire time period and declined by 14% from 61 in 1990 to 53 in 1995. The Brattleboro Retreat, New Hampshire general hospitals, and the veteran's hospital had much lower utilization and the average daily census was more volatile from year to year.

Next Questions: Are there differences in utilization of these hospital types among the different geographical regions of Vermont? Will the average daily census for inpatient behavioral health care at these facilities change with the introduction of Managed Care?



Hospital Type	Average Daily Census					
	1990	1991	1992	1993	1994	1995
Total	215	205	198	184	176	167
Vermont State Hospital	113	102	95	86	76	74
VT General Hospitals	61	59	60	57	57	53
Brattleboro Retreat	13	13	11	12	14	17
NH General Hospitals	19	22	17	19	19	13
VA Hospital - WRJ	9	9	15	10	10	10

Hospital Type	Percent Change Since 1990					
	1990	1991	1992	1993	1994	1995
Total	--	-5%	-8%	-14%	-18%	-22%
Vermont State Hospital	--	-10%	-16%	-24%	-33%	-34%
VT General Hospitals	--	-4%	-2%	-6%	-7%	-14%
Brattleboro Retreat	--	0%	-10%	0%	+8%	+36%
NH General Hospitals	--	+20%	-9%	+1%	+2%	-29%
VA Hospital - WRJ	--	-6%	+56%	+1%	+10%	+7%

Information is derived from the Hospital Discharge Data Set maintained by the Vermont Health Department, database extracts provided by the Brattleboro Retreat, and Vermont State Hospital Client Database maintained by the Vermont Department of Developmental and Mental Health Services. Vermont adults include all people age 18 or older.